Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: **IPL / Alliant Energy**
Prairie Creek Generating Station

Facility Location: **3300 C Street SW**
Cedar Rapids, IA 52404

Air Quality Operating Permit Number: 99-TV-010-M008
Expiration Date: 12/31/2002

EIQ Number: 92-9050
Facility File Number: 57-01-042

Responsible Official
Name: Tim Bennington
Title: Managing Director
Mailing Address: 200 1st Street SE, Cedar Rapids, IA 52406-0351
Phone #: 319-786-4392

Permit Contact Person for the Facility
Name: William Sangster
Title: Plant Manager
Mailing Address: PO Box 351, Cedar Rapids, IA 52406-0351
Phone #: 319-786-8416

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

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Douglas A. Campbell, Supervisor of Air Operating Permits Section Date

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Abbreviation

acfm.....actual cubic feet per minute
ATI.....Authorization to Install (Linn County Construction Permit)
CFR.....Code of Federal Regulation
EIQ.....emissions inventory questionnaire
^{o}F.....degrees Fahrenheit
gr./dscf.....grains per dry standard cubic foot
gr./100 cf.....grains per one hundred cubic feet
IAC.....Iowa Administrative Code
IDNR.....Iowa Department of Natural Resources
lb./hr.....pounds per hour
lb./MMBtu.....pounds per million British thermal units
LCHD.....Linn County Health Department
LCO .....Linn County Ordinance
LFG.....Landfill Gases
MVAC.....motor vehicle air conditioner
NSPS.....New Source Performance Standard
OCCR.....Old Corrugated Cardboard Rejects
ppm.....parts per Million
ppmv.....parts per million by volume
PTO.....Permit to Operate (Linn County Operation Permit)
scfm.....standard cubic feet per minute
TPY.....tons per year
USEPA.....United States Environmental Protection Agency

Pollutants
PM.....particulate matter
PM_{10}.....particulate matter ten microns and less in diameter
SO_2.....sulfur dioxide
NO_x.....nitrogen oxides
VOC.....volatile organic compound
CO.....carbon monoxide
HAP.....hazardous air pollutant

NMOC .....non-methane organic compounds

I. Facility Description and Equipment List

Facility Name: IPL / Alliant Energy / Prairie Creek Generating Station, Cedar Rapids
Permit Number: 99-TV-010-M008

Facility Description: Electric Services

Equipment List

Emission Point Number	Associated Emission Unit(s) Number (s)	Associated Emission Unit Description
001	301-301	Boiler #1
001	301-302	Boiler #2
003	302-303	Boiler #3
015	303-304	Boiler #4
100	100-100	Bunker Coal Belt w/Dust Handling
101	501-100	Boiler #1 Coal Storage Bunker
102	502-100	Boiler #2 Coal Storage Bunker
103	503-100	Boiler #3 Coal Storage Bunker
110	110-110	Reclaim Hopper (Fugitive)
120	404-405	Boiler #3 Fly Ash Transfer
120	405-406	Boiler #4 Fly Ash Transfer
120a	406-407	Ash Load out (Fugitive)
121	522-521	Boiler #1 & #2 Fly Ash Transfer
121	523-521	Boiler #1 & #2 Bottom Ash Transfer
121a	521-521	Ash Load Out (Fugitive)
329	329-446	Emergency Generator
330	330-330	#2 Emergency Generator
343	343-454	#2 Fuel Oil Storage Tank 1
344	344-455	#2 Fuel Oil Storage Tank 2
345	345-446	#2 Fuel Oil Storage Tank 3
346	346-457	#2 Fuel Oil Storage Tank 4
347	347-458	#2 Fuel Oil Storage Tank 5
400	102-102	Coal Stacker (Fugitive)
400	400-400	Open Coal Storage Pile (Fugitive)
401	401-401	Coal Unloading
402	402-402	Coal Crushing House
403	403-403	Coal Load out
500	500	Boiler #5
501	501-501	Ecostone Production (Fugitive)
504	331-447	Landfill Gas Safety Valve

Insignificant Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
91-416	#4 Hydrogen Purge Vent B-22
90-415	# 4 Hydrogen Seal Oil Vent B-22
89-414	#4 Vapor Extractor from Seal Oil
85-412	#4 Main Oil Vapor Extractor
83-411	Water Heater Exhaust
82-413	Water Heater Exhaust
73-410	#3 Main Oil Tank Vapor Extractor
66-409	#2 Battery Room Vent B-29
342-453	Maintenance Welding Activities
341-452	#1 Boiler Natural Gas Vent
340-451	Jet Spray Washer Vent B019
338-450	Natural Gas Bleed Off Vent
335-449	B-13 Decarbonator Tank Vent
333-461	Natural Gas Vent #4 Boiler B-20
332-448	Natural Gas Vent #4 Boiler B-20
325-444	Natural Gas Safety Vent B-36
324-443	Natural Gas Safety Vent
323-442	Natural Gas Safety Vent
322-441	Natural Gas Safety Vent B-36
265-440	Gas Heater (2) Vent B-1
249-438	#2 Generator Hydrogen Vent B-30
239-437	Gas Heater Vent B-8
237-436	Caustic Tank Vent
235-435	Gas Furnace Vent
230-432	Water Treatment Room Ventilation B-19
193-430	#3 Sootblower Pressure Relief B-13
189-429	Natural Gas Vent #3 B-13
169-428	Natural Gas Vent #4 Boiler Gas Manifold B-20
159-427	Natural Gas Vent #4 Boiler Gas Manifold B-22
128-426	#3 Natural Gas Vent B-23
127-425	#2 Boiler Main Line Natural Gas Vent B-33
124-424	Gas Heater Vent B-38
123-123	Gas Heater Vent B-37
121-421	#2 Unit Main Turbine Oil Tank Vapor Extractor
117-420	Gas Heater Vent B-37
116-419	Gas Heater Vent B-37
115-418	Gas Heater Vent B-37
112-417	#4 Battery Room Ventilator B-22

II. Plant-Wide Conditions

Facility Name: IPL / Alliant Energy / Prairie Creek Generating Station, Cedar Rapids
Permit Number: 99-TV-010-M008

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: Not to exceed 5 years
Commencing on: February 26, 1999
Ending on: December 31, 2002

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Plant-Wide Emission Limits
The atmospheric emissions from the plant as a whole shall not exceed the following:

Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): 20% opacity
Authority for Requirement: LCO 10.7

SO_2: 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"
LCO 10.12(2)

Particulate Matter (state enforceable only)[1]:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.
For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a

[1] This is the current language in the Iowa Administrative Code (IAC). This version of the rule is awaiting EPA approval to become part of Iowa's State Implementation Plan (SIP). When EPA approves this rule, it will replace the older version and will be considered federally enforceable.

permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a" (as revised 7/21/1999)
Particulate Matter (federally enforceable)[2]:
The emission of particulate matter from any process shall not exceed the amount determined from Table I, except as provided in 567 — 21.2(455B), 23.1(455B), 23.4(455B) and 567 — Chapter 24. If the director determines that a process complying with the emission rates specified in Table I is causing or will cause air pollution in a specific area of the state, an emission standard of 0.1 grain per standard cubic foot of exhaust gas may be imposed.
Authority for Requirement: 567 IAC 23.3(2)"a" (prior to 7/21/1999)

Particulate Matter: No person shall permit, cause, suffer or allow the emission of particulate matter into the atmosphere in any one hour from any emission point from any process equipment at a rate in excess of that specified in Table I for the process weight rate allocated to such emission point. The emission standards in LCO 10.9 (1)"a" shall apply and those specified in LCO 10.8 and 10.9 and Table I shall not apply to each process of the types listed in those sections, with the following exception: whenever the compliance status, history of operations, ambient air quality in the vicinity, or the type of control equipment utilized, would warrant maximum control, the Air Pollution Control Officer may enforce 0.1 grain per standard cubic foot of exhaust gas, or Table I of this section, whichever would result in the lowest allowable emission rate.
Authority for Requirement: LCO 10.9(1)

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.

[2] This is the current language in the Iowa SIP, and is enforceable by EPA.

5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567 IAC 23.3(2)"c" and LCO 10.13

III. Emission Point-Specific Conditions

Facility Name: IPL / Alliant Energy / Prairie Creek Generating Station, Cedar Rapids
Permit Number: **99-TV-010-M008**

Emission Point ID Number: 001

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 301-301, 301-302
Emissions Control Equipment: CE102 Electrostatic Precipitator
CE202 Electrostatic Precipitator
Continuous Emissions Monitors ID Numbers: ME205

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 301-301
Emission Unit Description: Boiler 1, Spreader Stoker
Raw Material/Fuel: Coal (Auxiliary Fuels: fuel oil, natural gas, used oil, OCCR)
Rated Capacity: 304 MMBtu/hr

Emission Unit vented through this Emission Point: 301-302
Emission Unit Description: Boiler 2, Spreader Stoker
Raw Material/Fuel: Coal (Auxiliary Fuels: fuel oil, natural gas, used oil, OCCR)
Rated Capacity: 304 MMBtu/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 % (6 minute average)
Authority for Requirement: PSD Permit 97-A-998
LCHD Permit To Operate 3217
LCO 10.7

Pollutant: Total Particulate (TSP)
Emission Limits: 40 lb/hr, 174.8 tons/year, 0.16 lb/MMBtu
Authority for Requirement: PSD Permit 97-A-998
LCHD Permit To Operate 3217
LCO 10.8 (2)

Pollutant: PM_{10}
Emission Limits: 40 lb/hr, 174.8 tons/year, 0.16 lb/MMBtu
Authority for Requirement: PSD Permit 97-A-998

Pollutant: Sulfur Dioxide
Emission Limits: 2745 lb/hr, 12023 tons/year, 5.0 lb/MMBtu (2 hour average) for solid fuels.
Authority for Requirement: PSD Permit 97-A-998
LCHD Permit To Operate 3217
Emission Limits: 1.5 lb/MMBtu (2 hour average) for liquid fuels
Authority for Requirement: PSD Permit 97-A-998
LCHD Permit To Operate 3217
LCO10.12(1)
Emission Limits: 500 ppm for gas fuels
Authority for Requirement: LCO 10.12(2)

Pollutant: Nitrogen Oxides
Emission Limits: 235 lb/hr, 1202 tons/year
Authority for Requirement: PSD Permit 97-A-998

Pollutant: Carbon Monoxide
Emission Limits: 141 lb/hr, 618 tons/year
Authority for Requirement: PSD Permit 97-A-998

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits:

1. The heat input to boiler #1 shall not exceed 245 MMBtu/hr
2. The amount of Old Corrugated Cardboard (OCCR) fired in boiler #1 and 2 combined shall not exceed 5.0 tons per hour.
3. The amount of OCCR fired in boiler #1 and 2 shall not exceed 10% of the total heat input at any time.
4. The heat input to boiler #2 shall not exceed 304 MMBtu/hr.

Authority for Requirement: PSD Permit 97-A-998
LCHD PTO 3217

Operating Limits:

The burning of used oil in this emission unit is limited to that which is generated on-site.

Authority for Requirement: 567 IAC 22.108(3)

Operating Limits:
When Number 1 or Number 2 fuel oil is burned, the sulfur content of the fuel oil shall not exceed 0.5%. The sulfur content of burned natural gas shall not exceed 25 grain per 100 cubic feet of gas.

Authority for Requirement: 567 IAC 23.3(3) "b" (1) and 567 IAC 23.3(3) "c"

Operating Condition Monitoring:

All records as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits.

Records shall be kept on-site for at least five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

A. The amount of coal fired in each boilers #1 and 2, in tons per hour. Calculate and record daily amounts and monthly and rolling 12 month totals.
B. The electrostatic precipitator used to control the particulate emissions must be operated and maintained according to the manufacturer's recommendations and good operating procedures.
C. The sulfur content of the coal fired in boilers #1 and 2. Collection and analysis shall follow the latest applicable standards published by the American Society of Testing and Materials (ASTM).
D. The amount of OCCR fired in boilers #1 and 2, in tons per hour.
E. The amount of OCCR fired in boilers #1 and 2 as a percentage of the total heat input on an hourly basis.
F. The total heat input to each boilers #1 and 2, in MMBtu/hr.

Authority for Requirement: PSD Permit 97-A-998

Reporting & Record keeping:

A. Submit quarterly reports to LCHD within 30 days of the end of the quarter for the continuous monitoring information specified in Linn County Ordinance, Chapter 10, Section 17 (7).
B. Submit excess emission reports to LCHD as required in Linn County Ordinance, Chapter 10, Section 14.

Authority for Requirement: PTO 3217

Additional Limits Due to Ambient Air Assessment
This emission point shall conform to the conditions listed below.

Stack Height (feet): 327 above the ground level as of 11/01/99
Stack Diameter (inches): 192
Stack Exhaust Flow Rate (acfm): 320520
Stack Temperature (^{o}F): 470
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: PSD Permit 97-A-998
Administrative Consent Order 97-AQ-20

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

The owner shall verify compliance with the emission limitations contained in the Emission Limits within sixty (60) days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

The tests shall be conducted with the equipment operating in a manner representative of full rated capacity. Failure to test at this maximum may be cause to limit the source to operating at the level at which the compliance tests were conducted.

The following shall apply to all compliance tests:

A. Each test to be conducted shall be approved by the DNR.
B. Unless otherwise specified by the DNR, each test shall consist of three (3) separate runs. The duration shall be established by the DNR at the pretest meeting. The arithmetic mean of the three acceptable test runs shall apply for compliance, unless otherwise approved by the DNR.

Authority for Requirement: PSD permit 97-A-998

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: TSP
1st Stack Test to be Completed by (date) – 04/01/2001
Test Method - Iowa Compliance Sampling Manual
Authority for Requirement: PSD permit 97-A-998
567 IAC 22.108(3)

Pollutant: PM10
1st Stack Test to be Completed by (date) – 04/01/2001
Test Method - 201A with 202, 40 CFR 51
Authority for Requirement: PSD permit 97-A-998
567 IAC 22.108(3)

Pollutant: Sulfur Dioxide (SO_2)
1st Stack Test to be Completed by (date) - 12/01/99

2nd Stack Test to be Completed between (dates) - 12/01/2000 and 12/01/2001
Test Method - Method 6C, 40 CFR 60 or approved alternative
Authority for Requirement: PSD permit 97-A-998
567 IAC 22.108(3)

Pollutant: NOx
1st Stack Test to be Completed by (date) – 04/01/2001
Test Method - Method 7E, 40 CFR 60 or approved alternative
Authority for Requirement: PSD permit 97-A-998
567 IAC 22.108(3)

Pollutant: CO
1st Stack Test to be Completed by (date) - 12/01/99
2nd Stack Test to be Completed between (dates) - 12/01/2000 and 12/01/2001
Test Method - Method 10, 40 CFR 60 or approved alternative
Authority for Requirement: PSD permit 97-A-998
567 IAC 22.108(3)

Continuous Emissions Monitoring:

Pollutant - Opacity
Operational Specifications - 40 CFR Part 60
Initial System Calibration/Quality Assurance - 10/31/80
Ongoing System Calibration/Quality Assurance - 40 CFR Part 60
Reporting & Record keeping - 40 CFR Part 60
Authority for Requirement: 567 IAC 25.1(1) and 567 IAC 25.2
LCO 10.17(7)
PSD permit 97-A-998

The owner of this equipment or his authorized agent shall provide written notice to the Director and the Linn County local program office, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director and the Linn County local program office in the form of a comprehensive report within 30 days of the completion of the testing. 567 IAC 25.1(7) and LCO 10.17(2)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: **Total Particulate PM_{10}**

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range**.** An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required when the source is not operated for time periods greater than one day.

Continuous Monitoring Methods & Corrective Actions

- Precipitator Malfunction Alarm

The precipitator malfunction alarm will continuously monitor the following parameters:

1. TR Voltage
2. TR Amperage

Corrective actions will be implemented upon the discovery of a malfunction alarm. The appropriate measures and/or action plan for remediation will be implemented with 8 hours, and if necessary, within an additional period of time until alternate generating capacity is available to meet consumer demand.

- Opacity Monitoring

Opacity is continuously monitored and recorded via readouts in the control room. Additionally, ESP performance is also continuously monitored via TR amperage and voltage readouts in the precipitator control room for each section of the ESP's.

The Continuous Opacity Monitoring System (COMS) will continuously monitor the stack gas for opacity. Corrective action measures will be implemented when the opacity exceeds twenty (20) percent

for more than one non-exempted six (6) minute average. If exceeded this would be a permit violation. The appropriate measures for remediation will be implemented within eight (8) hours plus the period of time until generating capacity is available to meet consumer demand.

Daily

- Inspection of rapper operation
- Inspection of T-R set operation
- Inspection of ash removal system operation

Corrective action measures will be implemented on the occurrence of an abnormal condition. Abnormal conditions will include the following:

1. Rapper systems failure
2. T-R set failure
3. Ash transport system failure
4. High ash hopper

The appropriate measures and /or action plan for remediation will be implemented within 8 hours, and if necessary, within an additional period of time until alternate generating capacity is available to meet consumer demand.

Each Major Unit Overhaul

- Inspect plate and electrode alignment and adjust if necessary.
- Check plates and electrodes for excess fouling and signs of corrosion.
- Check the T-R set mechanical condition.
- Inspect the insulator housings for mechanical condition.
- Inspect internal structural components for signs of corrosion, air leakage, and mechanical failure.

Corrective action measures will be devised and implemented on the occurrence of an abnormal condition. The appropriate measures for remediation will be implemented in a timely manner.

Record Keeping and Reporting

- Opacity reports and supporting data will be kept in accordance with 567 IAC 25.
- Maintain a written/electronic record of all failures requiring corrective actions which were performed on the equipment for five years.
- Records of all planned unit outage inspections and any action resulting from these inspections will be kept for five (5) years.

Quality Control

- The continuous opacity monitor will be automatically calibrated for zero and span adjustments daily.
- All instruments and control equipment will be calibrated, maintained, and operated according to the manufacture's specifications.
- An inventory of spare parts will be maintained. Parts will be re-ordered as they are used.

Emission Point ID Number: 003

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 302-303
Emissions Control Equipment ID Number: CE302
Emissions Control Equipment Description: Electrostatic Precipitator
Continuous Emissions Monitors ID Numbers: ME301-3, ME304-5

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 302-303
Emission Unit Description: Boiler #3, Dry Bottom Pulverized Coal Unit
Raw Material/Fuel: Coal (Auxiliary Fuels: fuel oil, used oil, natural gas, landfill gases)
Rated Capacity: 611 MMBtu/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 % (6 minute average)
Authority for Requirement: LCPH ATI 4058 / PTO 0
LCO 10.7

Pollutant: Particulate Matter
Emission Limits: 0.16 lb/MMBtu
Authority for Requirement: LCPH ATI 4058 / PTO 0
LCO 10.8 (2)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 62 grams/sec or 495.9 lb/hr on a 24-hour rolling average basis.
Authority for Requirement: Administrative Consent Order No. 97-AQ-20

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: Sulfur Dioxide Phase I Allowances Effective through December 31, 1999
Emission Limits: Sulfur Dioxide Phase II Allowances Effective on January 1, 2000
Authority for Requirement: 567 IAC 22.108(7) (Attached Phase II Permit includes Phase I)

Pollutant: Nitrogen Oxide (NO_x)
Emission Limits: See attached Phase II Permit
Authority for Requirement: 567 IAC 22.125(4) (Attached Phase II Permit)
40 CFR Part 76

Pollutant: NMOC (when burning LFG)
Emission Limits: 20 ppm as hexane (not required until the NMOC emissions reported from the landfill is equal to or greater than 50 megagrams per year).
Authority for Requirement: 40 CFR 60.33c (c)(3) Subpart Cc
567 IAC 23.1 (5) "a" (3) "3"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Device:

An electrostatic precipitator shall be maintained on this source in a good operating condition at all times. An opacity monitor shall also be maintained and operated in accordance with Linn County Ordinance 10.17.
Authority for Requirement: LCPH ATI 4058 / PTO 0

Operating Limits:

The maximum operating capacity of this device is energy input: 611.0 MMBtu/hr.

This boiler shall be allowed to combust coal, fuel oil, natural gas, and methane.

Authority for Requirement: LCPH ATI 4058 / PTO 0

Operating Limits:

The burning of used oil in this emission unit is limited to that which is generated on-site.

Authority for Requirement: 567 IAC 22.108(3)

Operating Limits:

When Number 1 or Number 2 fuel oil is burned, the sulfur content of the fuel oil shall not exceed 0.5%.
Authority for Requirement: LCPH ATI 4058 / PTO 0
567 IAC 23.3(3) "b" (1)

Record-keeping Requirements:

A log of operation shall be maintained for the boiler. The information shall be recorded and kept on site for a period of no less than 5 years.

These records shall be available on site at all times for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 4058 / PTO 0

IES shall monitor and maintain hourly and twenty-four hour rolling average SO_2 records for its Boiler 3 at Prairie Creek Generation Station. The records shall include the data required in the Consent Order and in 40 CFR 75 for Continuous Emissions Monitoring.

Authority for Requirement: Administrative Consent Order No. 97-AQ-20
LCPH ATI 4058 / PTO 0

Reporting Requirements:

- Submit quarterly reports within 30 days of the end of the quarter for the continuous monitoring information specified in Linn County Ordinance Chapter 10, Section 17, (7).

- Submit excess emission reports as required in Linn County Ordinance, Chapter 10, Section 14.

Authority for Requirement: LCPH ATI 4058 / PTO 0

LFG Burning Operating Limits (not required until the NMOC emissions reported from the landfill is equal to or greater than 50 megagrams per year):

- The LFG vent stream must be introduced into the flame zone.
- IES shall install, calibrate, and maintain gas flow rate measuring devices that shall record the flow to IES (before the safety valve) and the flow to each boiler (#3 and #4) at least every 15 minutes.
- When Boilers #3 and #4 start up, shutdown or malfunction at the same time, the LFG flow to IES shall be shut down within less than one (1) hour.

Authority for Requirement: 567 IAC 23.1 (5)" a" (3) and (4)
40 CFR 60.34c, 40 CFR 60.755 and 40 CFR 60.756
LCPH ATI 4058 / PTO 0

LFG Burning Reporting & Record-keeping (not required until the NMOC emissions reported from the landfill is equal to or greater than 50 megagrams per year):

- IES shall keep for at least five (5) years up-to-date, readily accessible records of the data listed below, for the life of the NMOC control equipment.
    1. The mass and volume flow rates to IES.
    2. The mass and volume flow rates to boiler #3 and boiler #4.
    3. The heat content of LFG
    4. A description of the location at which the LFG vent stream is introduced into the boiler over the same time period of the performance testing.
    5. All periods of operation of the boiler.

- IES shall submit annual report to the Administrator and LCHD including the following items:
    1. Description and duration of all periods when the LFG stream is diverted from the two boilers.

2. Description and duration of all periods when the boilers were not operating for a period exceeding 1 hour and the length of time the boilers were not operating.
3. The mass and volume flow rates to IES (total), boiler #3 and boiler #4.

Authority for Requirement: 567 IAC 23.1 (5)" a" (5)
40 CFR 60.35c Subpart Cc
40 CFR 60.757 and 60.758 Subpart WWW
LCPH ATI 4058 / PTO 0

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Additional Limits Due to Ambient Air Assessment

This emission point shall conform to the conditions listed below.

Stack Height (feet): 201 above ground level
Stack Diameter (inches): 149.25
Stack Exhaust Flow Rate (acfm): 199875
Stack Temperature (^{o}F): 450
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: LCPH ATI 4058 / PTO 0

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - Particulate Matter
1st Stack Test to be Completed by (date) – 12/01//99
2nd Stack Test to be Completed between (dates) - 12/01/2000 and 12/01/2001
Test Method - Iowa Compliance Sampling Manual
Authority for Requirement - 567 IAC 22.108(3)

Pollutant – NMOC (when burning LFG)
Performance Stack Test to be Completed by (dates) – within 30 months after the date the initial NMOC emission rate report from the landfill shows NMOC emissions equal or exceed 50 megagrams per year.
Test Method – 40 CFR 60 Appendix A, Method 25 or approved alternatives.
Authority for Requirement - 567 IAC 23.1(5) "a "(4)
40 CFR 60.752 (b)(iii)(B)

40 CFR 60.754 (d)
40 CFR 60.36c Subpart Cc

Continuous Emissions Monitoring:

Pollutant - Opacity
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 10/31/80
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement: 567 IAC 25.1(1) and 567 IAC 25.2
LCPH ATI 4058 / PTO 0

Pollutant - Sulfur Dioxide (SO_2)
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 1/1/95
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement: 567 IAC 25.2
LCPH ATI 4058 / PTO 0

Pollutant - Nitrogen Oxides (NO_x)
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 1/9/95
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement: 567 IAC 25.2
LCPH ATI 4058 / PTO 0

Other Parameters

Pollutant - Carbon Dioxide (CO_2)
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 1/1/95
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement: 567 IAC 25.2
LCPH ATI 4058 / PTO 0

Pollutant - Flow
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 3/18/95
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75

Authority for Requirement - 567 IAC 25.2

The owner of this equipment or his authorized agent shall provide written notice to the Director and the Linn County local program office, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director and the Linn County local program office in the form of a comprehensive report within 30 days *of the completion of the testing. 567 IAC 25.1(7) and LCO 10.17(2)*

Agency Approved Operation & Maintenance Plan Required? Yes ☒ **No** ☐

Relevant requirements of O & M plan for this equipment: **PM**

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Electrostatic Precipitator Agency Operation & Maintenance Plan

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range**.** An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required when the source is not operated for time periods greater than one day.

Continuous Monitoring Methods & Corrective Actions

- Precipitator Malfunction Alarm

The precipitator malfunction alarm will continuously monitor the following parameters:

3. TR Voltage
4. TR Amperage

Corrective actions will be implemented upon the discovery of a malfunction alarm. The appropriate measures and/or action plan for remediation will be implemented with 8 hours, and if necessary, within an additional period of time until alternate generating capacity is available to meet consumer demand.

- Opacity Monitoring

Opacity is continuously monitored and recorded via readouts in the control room. Additionally, ESP performance is also continuously monitored via TR amperage and voltage readouts in the control room for each section of the ESP's.

The Continuous Opacity Monitoring System (COMS) will continuously monitor the stack gas for opacity. Corrective action measures will be implemented when the opacity exceeds twenty (20) percent for more than one non-exempted six (6) minute average. If exceeded this would be a permit violation. The appropriate measures for remediation will be implemented within eight (8) hours plus the period of time until generating capacity is available to meet consumer demand.

Daily

- Inspection of rapper operation
- Inspection of T-R set operation
- Inspection of ash removal system operation

Corrective action measures will be implemented on the occurrence of an abnormal condition. Abnormal conditions will include the following:

5. Rapper systems failure
6. T-R set failure
7. Ash transport system failure
8. High ash hopper

The appropriate measures and /or action plan for remediation will be implemented within 8 hours, and if necessary, within an additional period of time until alternate generating capacity is available to meet consumer demand.

Each Major Unit Overhaul

- Inspect plate and electrode alignment and adjust if necessary.
- Check plates and electrodes for excess fouling and signs of corrosion.
- Check the T-R set mechanical condition.
- Inspect the insulator housings for mechanical condition.
- Inspect internal structural components for signs of corrosion, air leakage, and mechanical failure.

Corrective action measures will be devised and implemented on the occurrence of an abnormal condition. The appropriate measures for remediation will be implemented in a timely manner.

Record Keeping and Reporting

- Opacity reports and supporting data will be kept in accordance with 567 IAC 25.
- Maintain a written/electronic record of all failures requiring corrective actions which were performed on the equipment for five years.
- Records of all planned unit outage inspections and any action resulting from these inspections will be kept for five (5) years.

Quality Control

- The continuous opacity monitor will be automatically calibrated for zero and span adjustments daily.
- All instruments and control equipment will be calibrated, maintained, and operated according to the manufacture's specifications.
- An inventory of spare parts will be maintained. Parts will be re-ordered as they are used.

Emission Point ID Number: 015

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 303-304
Emissions Control Equipment ID Number: CE402
Emissions Control Equipment Description: Electrostatic Precipitator
Continuous Emissions Monitors ID Numbers: ME401-3, ME404-5

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 303-304
Emission Unit Description: Boiler #4, Dry Bottom Pulverized Coal Unit
Raw Material/Fuel: Coal (Auxiliary Fuels: fuel oil, used oil, natural gas, landfill gases)
Rated Capacity: 1370 MMBtu/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 % (6 minute average)
Authority for Requirement: ATI 3491 and PTO 3492
LCO 10.7

Pollutant: Particulate Matter
Emission Limits: 0.16 lb/MMBtu
Authority for Requirement: ATI 3491 and PTO 3492
LCO 10.8(2)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 162 grams/sec or 1289.3 lb/hr on a 24-hour rolling average basis.
Authority for Requirement: Administrative Consent Order No. 97-AQ-20
Emission Limits: 5 lb/MMBtu (two hours average) when burning solid fuels
Authority for Requirement: ATI 3491 and PTO 3492
LCO10.12 (1)
Emission Limits: 1.5 lb/MMBtu (two hours average) when burning liquid fuels
Authority for Requirement: ATI 3491 and PTO 3492
LCO 10.12 (1)
Emission Limits: 500 ppm when burning gas fuels
Authority for Requirement: ATI 3491 and PTO 3492
LCO 10.12(2)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: Sulfur Dioxide Phase I Allowances Effective through December 31, 1999
Emission Limits: Sulfur Dioxide Phase II Allowances Effective on January 1, 2000
Authority for Requirement: 567 IAC 22.108(7) (Attached Phase II Permit includes Phase I)

Pollutant: Nitrogen Oxide (NO_x)
Emission Limits: See attached Phase II Permit
Authority for Requirement: 567 IAC 22.125(4) (Attached Phase II Permit)
40 CFR Part 76

Pollutant: NMOC (When burning LFG)
Emission Limits: 20 ppm as hexane (not required until the NMOC emissions reported from the landfill is equal to or greater than 50 megagrams per year)
Authority for Requirement: 40 CFR 60.33c (c)(3) Subpart Cc
567 IAC 23.1 (5) "a" (3) "3"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits:

The burning of used oil in this emission unit is limited to that which is generated on-site.

Authority for Requirement: 567 IAC 22.108(3)

Operating Limits:

When Number 1 or Number 2 fuel oil is burned, the sulfur content of the fuel oil shall not exceed 0.5%. The sulfur content of burned natural gas shall not exceed 25 grain per 100 cubic feet of gas.

Authority for Requirement: 567 IAC 23.3(3) "b" (1) and 567 IAC 23.3(3) "c"

LFG Burning Operating Limits (not required until the NMOC emissions reported from the landfill is equal to or greater than 50 megagrams per year):

1. The LFG vent stream must be introduced into the flame zone.
2. IES shall install, calibrate, and maintain gas flow rate measuring devices that shall record the flow to IES (before the safety valve) and the flow to each boiler (#3 and #4) at least every 15 minutes.
3. When Boilers #3 and #4 start up, shutdown or malfunction at the same time, the LFG flow to IES shall be shut down within less than one (1) hour.

Authority for Requirement: 567 IAC 23.1 (5)" a" (3) and (4)
40 CFR 60.34c, 40 CFR 60.755 and 40 CFR 60.756

LFG Burning Reporting & Record-keeping (not required until the NMOC emissions reported from the landfill is equal to or greater than 50 megagrams per year):

- IES shall keep for at least five (5) years up-to-date, readily accessible records for the life of the NMOC control equipment of the data listed below:

1. The mass and volume flow rates to IES.
2. The mass and volume flow rates to boiler #3 and boiler #4.
3. The heat content of LFG
4. A description of the location at which the LFG vent stream is introduced into the boiler over the same time period of the performance testing.
5. All periods of operation of the boiler.

- IES shall submit annual report including the following items:

1. Description and duration of all periods when the LFG stream is diverted from the two boilers.
2. Description and duration of all periods when the boilers were not operating for a period exceeding 1 hour and the length of time the boilers were not operating.
3. The mass and volume flow rates to IES (total), boiler #3 and boiler #4.

Authority for Requirement: 567 IAC 23.1 (5)" a" (5)
40 CFR 60.35c Subpart Cc
40 CFR 60.757 and 60.758 Subpart WWW

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Additional Limits Due to Ambient Air Assessment

This emission point shall conform to the conditions listed below.

Stack Height (feet): 201 above ground level
Stack Diameter (inches): 156
Stack Exhaust Flow Rate (acfm): 448000
Stack Temperature (^{o}F): 375
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: LCHD ATI 3491

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant - Particulate Matter
1st Stack Test to be Completed by (date) – 12/01/99
2nd Stack Test to be Completed between (dates) - 12/01/2000 and 12/01/2001
Test Method - Iowa Compliance Sampling Manual
Authority for Requirement - 567 IAC 22.108(3)

Pollutant – NMOC (when burning LFG)
Performance Stack Test to be Completed by (dates) – within 30 months after the date the initial NMOC emission rate report from the landfill shows NMOC emissions equal or exceed 50 megagrams per year.
Test Method – 40 CFR 60 Appendix A, Method 25 or approved alternatives.
Authority for Requirement - 567 IAC 23.1(5) "a "(4)
40 CFR 60.752 (b)(iii)(B)
40 CFR 60.754 (d)
40 CFR 60.36c Subpart Cc

Continuous Emissions Monitoring:

Pollutant - Opacity
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 12/1/79
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement - 567 IAC 25.1(1) and 567 IAC 25.2

Pollutant - Sulfur Dioxide (SO_2)
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 12/30/92
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement - 567 IAC 25.2
Administrative Consent Order No. 97-AQ-20

Pollutant - Nitrogen Oxides (NO_x)
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 12/30/92
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement - 567 IAC 25.2

Other Parameters

Pollutant - Carbon Dioxide (CO_2)
Operational Specifications - 40 CFR Part 75

Initial System Calibration/Quality Assurance - 1/20/93
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement - 567 IAC 25.2

Pollutant - Flow
Operational Specifications - 40 CFR Part 75
Initial System Calibration/Quality Assurance - 3/18/95
Ongoing System Calibration/Quality Assurance - 40 CFR Part 75
Reporting & Record keeping - 40 CFR Part 75
Authority for Requirement - 567 IAC 25.2

The owner of this equipment or his authorized agent shall provide written notice to the Director and the Linn County local program office, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director and the Linn County local program office in the form of a comprehensive report within 30 days *of the completion of the testing. 567 IAC 25.1(7) and LCO 10.17(2)*

Agency Approved Operation & Maintenance Plan Required? Yes ☒ **No** ☐
Relevant requirements of O & M plan for this equipment: **PM**

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Electrostatic Precipitator Agency Operation & Maintenance Plan

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range**.** An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required when the source is not operated for time periods greater than one day.

Continuous Monitoring Methods & Corrective Actions

- Precipitator Malfunction Alarm

The precipitator malfunction alarm will continuously monitor the following parameters:

5. TR Voltage
6. TR Amperage

Corrective actions will be implemented upon the discovery of a malfunction alarm. The appropriate measures and/or action plan for remediation will be implemented with 8 hours, and if necessary, within an additional period of time until alternate generating capacity is available to meet consumer demand.

- Opacity Monitoring

Opacity is continuously monitored and recorded via readouts in the control room. Additionally, ESP performance is also continuously monitored via TR amperage and voltage readouts in the precipitator control room for each section of the ESP's.

The Continuous Opacity Monitoring System (COMS) will continuously monitor the stack gas for opacity. Corrective action measures will be implemented when the opacity exceeds twenty (20) percent for more than one non-exempted six (6) minute average. If exceeded this would be a permit violation. The appropriate measures for remediation will be implemented within eight (8) hours plus the period of time until generating capacity is available to meet consumer demand.

Daily

- Inspection of rapper operation
- Inspection of T-R set operation
- Inspection of ash removal system operation

Corrective action measures will be implemented on the occurrence of an abnormal condition. Abnormal conditions will include the following:

9. Rapper systems failure
10. T-R set failure
11. Ash transport system failure
12. High ash hopper

The appropriate measures and /or action plan for remediation will be implemented within 8 hours, and if necessary, within an additional period of time until alternate generating capacity is available to meet consumer demand.

Each Major Unit Overhaul

- Inspect plate and electrode alignment and adjust if necessary.
- Check plates and electrodes for excess fouling and signs of corrosion.
- Check the T-R set mechanical condition.
- Inspect the insulator housings for mechanical condition.
- Inspect internal structural components for signs of corrosion, air leakage, and mechanical failure.

Corrective action measures will be devised and implemented on the occurrence of an abnormal condition. The appropriate measures for remediation will be implemented in a timely manner.

Record Keeping and Reporting

- Opacity reports and supporting data will be kept in accordance with 567 IAC 25.
- Maintain a written/electronic record of all failures requiring corrective actions performed on the equipment for five years.
- Records of all planned unit outage inspections and any action resulting from these inspections will be kept for five (5) years.

Quality Control

- The continuous opacity monitor will be automatically calibrated for zero and span adjustments daily.
- All instruments and control equipment will be calibrated, maintained, and operated according to the manufacture's specifications.
- An inventory of spare parts will be maintained. Parts will be re-ordered as they are used.

Emission Point ID Number: 100

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 100-100
Emissions Control Equipment ID Number: CE 100
Emissions Control Equipment Description: Baghouse
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 100
Emission Unit Description: Bunker Coal Belt w/Dust Handling
Raw Material/Fuel: Coal
Rated Capacity: 750 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCHD ATI 2991 and PTO 3073
LCO 10.7 and 10.9.2 (22)
567 IAC 231.(2) "v"
40 CFR 60.252 Subpart Y

Pollutant: PM_{10}
Emission Limits: 3.35 lb/hr, 14.67 tpy
Authority for Requirement: LCHD ATI 2991 and PTO 3073

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567 IAC 23.3(2) "a"
LCO 10.9 (1) "a"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS Requirements:
The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements
The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant: TSP
1st Stack Test to be Completed by (date) - 12/01/99
2nd Stack Test to be Completed between (dates) - 12/01/2000 and 12/01/2001
Test Method - Iowa Compliance Sampling Manual
Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director and the Linn County local program office, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted

in writing to the Director and the Linn County local program office in the form of a comprehensive report within 30 days *of the completion of the testing. 567 IAC 25.1(7) and LCO 10.17(2)*

Agency Approved Operation & Maintenance Plan Required? Yes ☒ **No** ☐
Relevant requirements of O & M plan for this equipment: **Particulate Matter**

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒
Relevant requirements of O & M plan for this equipment:

Authority for Requirement: 567 IAC 22.108(3)"b"

Baghouse Agency Operation & Maintenance Plan

General

Periodic Monitoring is not required when the source is not operated for time periods greater than one day.

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range**.** An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Weekly

- Inspect the differential pressure across the bags. Confirm that the pressure is within the manufacturer's recommended operating range. Inspect the compressed air pulsing system for any abnormal conditions. Inspect the screw conveyor, rotary airlock, reducer and drive motor for signs of jamming, leakage, wear or broken parts. The appropriate measures and action for remediation shall be implemented within 8 hours.

- Opacity from the exhaust vent shall be observed on a weekly basis to ensure that there are no visible emissions during the material handling operation of the unit. If visible emissions are observed this would be an excursion, not a violation and action will be taken as soon as possible, but no later

than eight (8) hours after the occurrence. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2 hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. Maintain a written record of the observation and any action resulting from the inspection.

Monthly

- Spot check bag conditions. (Look for obvious holes or tears in the bags.)
- Check the cleaning sequence of the baghouse
    - Pulse jet baghouse - check the air delivery system
    - Reverse air baghouse - check the isolation damper operation and bag tension
    - Shaker baghouse - check the shaking mechanism and bag tension.
- Check hopper functions and performance.

Maintain a written record of the inspection and any action resulting from the inspection.

Quarterly

- Thoroughly inspect bags for leaks and wear.

Bag replacement should be documented by identifying the date, time and location of the bag in relationship to the other bags. The location should be identified on an overhead drawing of the bag layout in the baghouse.

Maintain a written record of the inspection and any action resulting from the inspection.

Semiannual

Inspect every 6 months all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods. Maintain a written record of the inspection and any action resulting from the inspection.

Record Keeping and Reporting

- Records of all weekly inspections and any actions resulting from these inspections will be kept for five (5) years, including the differential pressure readings and the visual opacity observations.
- Records of all unit outage inspections and any actions resulting from these inspections will be kept for five (5) years.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

A spare parts inventory will be maintained. Parts will be re-ordered as they are used.

Emission Point ID Number: 101

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 501-100
Emissions Control Equipment ID Number: CE 501
Emissions Control Equipment Description: Bin Vent Filter
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 501-100
Emission Unit Description: Boiler #1 Coal Storage Bunker
Raw Material/Fuel: Coal
Rated Capacity: 12 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCHD ATI 2769 and PTO 3074
LCO 10.7 and 10.9.2 (22)
567 IAC 231.(2) "v"
40 CFR 60.252 (c) Subpart Y

Pollutant: PM_{10}
Emission Limits: 0.50 lb/hr, 2.20 tpy
Authority for Requirement: LCHD ATI 2769 and PTO 3074

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567--IAC 23.3(2) "a"
LCO 10.9 (1) "a"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Air flow to the filter shall be limited to 2500 dscfm.

Authority for Requirement: LCHD ATI 2769 and PTO 3074

Reporting and Record keeping:

All records, as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on-site for at least five years and shall be available for inspection upon request by the Linn County Public Health Department. Records shall indicate the following:

A. The total coal throughput for the bunker on a 12-month rolling basis.

Authority for Requirement: 567 IAC 22.108(3)

NSPS Requirements:

The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 102

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 502-100
Emissions Control Equipment ID Number: CE 502
Emissions Control Equipment Description: Bin Vent Filter
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 502-100
Emission Unit Description: Boiler #2 Coal Storage Bunker
Raw Material/Fuel: Coal
Rated Capacity: 12 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCHD ATI 2765 and PTO 3075
LCO 10.7 and 10.9.2 (22)
567 IAC 231.(2) "v"
40 CFR 60.252 (c) Subpart Y

Pollutant: PM_{10}
Emission Limits: 0.50 lb/hr, 2.20 tpy
Authority for Requirement: LCHD ATI 2765 and PTO 3075

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567--IAC 23.3(2) "a"
LCO 10.9 (1) "a"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Air flow to the filter shall be limited to 2500 dscfm.

Authority for Requirement: LCHD ATI 2765 and PTO 3075

Reporting and Record keeping:

All records, as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on-site for at least five years and shall be available for inspection upon request by the Linn County Public Health Department. Records shall indicate the following:

A. The total coal throughput for the bunker on a 12-month rolling basis.

Authority for Requirement: 567 IAC 22.108(3)

NSPS Requirements:

The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 103

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 503-100
Emissions Control Equipment ID Number: CE 503
Emissions Control Equipment Description: Bin Vent Filter
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 503-100
Emission Unit Description: Boiler #3 Coal Storage Bunker
Raw Material/Fuel: Coal
Rated Capacity: 28 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCHD ATI 2768 and PTO 3076
LCO 10.7 and 10.9.2 (22)
567 IAC 231.(2) "v"
40 CFR 60.252 (c) Subpart Y

Pollutant: PM_{10}
Emission Limits: 0.50 lb/hr, 2.20 tpy
Authority for Requirement: LCHD ATI 2768 and PTO 3076

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567--IAC 23.3(2) "a"
LCO 10.9 (1) "a"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Air flow to the filter shall be limited to 2500 dscfm.

Authority for Requirement: LCHD ATI 2768 and PTO 3076

Reporting and Record keeping:

All records, as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on-site for at least five years and shall be available for inspection upon request by the Linn County Public Health Department. Records shall indicate the following:

A. The total coal throughput for the bunker on a 12-month rolling basis.

Authority for Requirement: 567 IAC 22.108(3)

NSPS Requirements:

The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ **No** ☐

Relevant requirements of O & M plan for this equipment:

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 110

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 110-110
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 110-110
Emission Unit Description: Reclaim Hopper
Raw Material/Fuel: Coal
Rated Capacity: 750 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust

No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2) "c"
LCO 10.13

Pollutant: Opacity
Emission Limit: 20%
Authority for Requirement: 567 IAC 231.(2) "v"
LCO 10.9.2 (22)
40 CFR 60.252 (c) Subpart Y

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS Requirements:

The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 120

Associated Equipment

Associated Emission Unit ID Number: 404-405, 405-406
Emissions Control Equipment ID Number: CE405
CE406
Emissions Control Equipment Description: CE405 Baghouse for 404-405
CE406 Baghouse for 405-406
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 404-405
Emission Unit Description: Boiler #3 Fly Ash Transfer
Raw Material/Fuel: Ash
Rated Capacity: 10 tons/hr

Emission Unit vented through this Emission Point: 405-406
Emission Unit Description: Boiler # 4 Fly Ash Transfer
Raw Material/Fuel: Ash
Rated Capacity: 10 tons/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567--IAC 23.3(2) "a"
LCO 10.9(1) "a"

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 120a

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 406-407
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 406-407
Emission Unit Description: Ash Loadout (Fugitive Dust)
Raw Material/Fuel: Ash
Rated Capacity: 60 tons/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust

No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2) "c"
LCO 10.13

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 121

Associated Equipment

Associated Emission Unit ID Number: 522-521, 523-521
Emissions Control Equipment ID Number: CE520
CE521
CE522
Emissions Control Equipment: CE520 Baghouse
CE521 Cyclone
CE522 Baghouse
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 522-521
Emission Unit Description: 1/2 Fly Ash Transfer
Raw Material/Fuel: Ash
Rated Capacity: 1650 scfm

Emission Unit vented through this Emission Point: 523-521
Emission Unit Description: 1/2 Bottom Ash Transfer
Raw Material/Fuel: Ash
Rated Capacity: 1650 scfm

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCHD ATI 2767 and PTO 3077
LCO 10.7

Pollutant: PM_{10}
Emission Limits: 0.29 lb/hr, 1.27 tpy
Authority for Requirement: LCHD ATI 2767 and PTO 3077

Pollutant: TSP
Emission Limits: 0.29 lb/hr, 1.27 tpy
Authority for Requirement: LCHD ATI 2767 and PTO 3077

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Compliance Testing and Monitoring Requirements:

The optical monitor is the primary method of monitoring operations of this unit. IES shall take daily presure drop reading any time the opacity monitor is not working.

All monitors shall be easily accessible to air pollution personnel.

Record keeping requirements: A log of operation shall be maintained for the above listed unit. The following information shall be recorded and kept on site for a period of not less than five (5) years.

- Daily pressure drop readings, if optical monitor is not operating.
- Records of all maintenance and repair completed on the control device.

Authority for Requirement: ATI2767 and PTO3077

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ **No** ☐

Relevant requirements of O & M plan for this equipment: **PM**

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Authority for Requirement: 567 IAC 22.108(3)"b"

Baghouse Agency Operation & Maintenance Plan

General

Periodic Monitoring is not required when the source is not operated for time periods greater than one day.

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range**.** An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Weekly

- Inspect the differential pressure across the bags. Confirm that the pressure is within the manufacturer's recommended operating range. Inspect the compressed air pulsing system for any abnormal conditions. Inspect the screw conveyor, rotary airlock, reducer and drive motor for signs of jamming, leakage, wear or broken parts. The appropriate measures and action for remediation shall be implemented within 8 hours.

- Opacity from the exhaust vent shall be observed on a weekly basis to ensure that there are no visible emissions during the material handling operation of the unit. If visible emissions are observed this would be an excursion, not a violation and action will be taken as soon as possible, but no later than eight (8) hours after the occurrence. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2 hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits. Maintain a written record of the observation and any action resulting from the inspection.

Monthly

- Spot check bag conditions. (Look for obvious holes or tears in the bags.)
- Check the cleaning sequence of the baghouse
    - Pulse jet baghouse - check the air delivery system
    - Reverse air baghouse - check the isolation damper operation and bag tension
    - Shaker baghouse - check the shaking mechanism and bag tension.
- Check hopper functions and performance.

Maintain a written record of the inspection and any action resulting from the inspection.

Quarterly

- Thoroughly inspect bags for leaks and wear.

Bag replacement should be documented by identifying the date, time and location of the bag in relationship to the other bags. The location should be identified on an overhead drawing of the bag layout in the baghouse. Bag removal is not required for the inspection.

Maintain a written record of the inspection and any action resulting from the inspection.

Semiannual

Inspect every 6 months all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods. Maintain a written record of the inspection and any action resulting from the inspection.

Record Keeping and Reporting

- Records of all weekly inspections and any actions resulting from these inspections will be kept for five (5) years, including the differential pressure readings and the visual opacity observations.
- Records of all unit outage inspections and any actions resulting from these inspections will be kept for five (5) years.

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.
- A spare parts inventory will be maintained. Parts will be re-ordered as they are used.

Emission Point ID Number: 121a

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 521-521
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 521-521
Emission Unit Description: Ash Loadout (Fugitive Dust) for Units #1 and #2
Raw Material/Fuel: Ash
Rated Capacity: 120 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust

No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2) "c"
LCO 10.13

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 329

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 329-446
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 329-446
Emission Unit Description: Emergency Generator
Raw Material/Fuel: Natural Gas
Rated Capacity: 30 kilowatt

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567 IAC 23.3(2) "a"
LCO 10.9(1) "a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 500 ppm
Authority for Requirement: 567--IAC 23.3(2)b
LCO 10.12 (2)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits:

The sulfur content of burned natural gas shall not exceed 25 grains per 100 cubic feet of gas.

Authority for Requirement: 567 IAC 23.3(3) "c"

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 330

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 330-330

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 330-330
Emission Unit Description: #2 Emergency Generator
Raw Material/Fuel: #2 Fuel Oil
Rated Capacity: 600 KW

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20%
Authority for Requirement: LCPH ATI 3877 and PTO 3954
LCO 10.7

Pollutant: PM_{10}
Emission Limits: 0.47 tons/yr
Authority for Requirement: LCPH ATI 3877 and PTO 3954

Pollutant: Particulate Matter
Emission Limits: 0.47 tons/yr
Authority for Requirement: LCPH ATI 3877 and PTO 3954

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.77 tons/yr
Authority for Requirement: LCPH ATI 3877 and PTO 3954

Pollutant: Nigrogen Oxide (NO_x)
Emission Limits: 6.72 tons/yr
Authority for Requirement: LCPH ATI 3877 and PTO 3954

Pollutant: Volatile Organic Compounds (VOC)
Emission Limits: 0.55 tons/yr
Authority for Requirement: LCPH ATI 3877 and PTO 3954

Pollutant: Carbon Monoxide (CO)
Emission Limits: 1.45 tons/yr
Authority for Requirement: LCPH ATI 3877 and PTO 3954

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operation Limits:

- This source shall be limited to 500 hours of operation per year calculated on a 12-month rolling average.
- Fuel use in this unit shall be either #1 or #2 grade diesel fuel only, with a maximum concentration of 0.5% sulfur by weight.

Authority for Requirement: LCPH ATI 3877 and PTO 3954

Reporting and Record keeping:

A log of operation shall be maintained for the operation of the above listed units. As a minimum the following information shall be recorded and kept on site for a period of five years. These records shall be available at all times for viewing by air pollution control personnel.

- Total hours of engine operation
- Type of fuel burned and sulfur concentration by weight

Authority for Requirement: LCPH ATI 3877 and PTO 3954

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

None required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 343

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 343-454
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 343-454
Emission Unit Description: #2 Fuel Oil Storage Tank 1
Raw Material/Fuel: #2 Fuel Oil
Rated Capacity: 2000 Gallons

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 344

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 344-455
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 344-455
Emission Unit Description: #2 Fuel Oil Storage Tank 2
Raw Material/Fuel: #2 Fuel Oil
Rated Capacity: 15,000 Gallons

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 345

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 345-456
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 345-456
Emission Unit Description: #2 Fuel Oil Storage Tank 3
Raw Material/Fuel: #2 Fuel Oil
Rated Capacity: 15,000 Gallons

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 346

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 346-457
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 346-457
Emission Unit Description: #2 Fuel Oil Storage Tank 4
Raw Material/Fuel: #2 Fuel Oil
Rated Capacity: 15,000 Gallons

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 347

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 347-458
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 347-458
Emission Unit Description: #2 Fuel Oil Storage Tank 5
Raw Material/Fuel: #2 Fuel Oil
Rated Capacity: 15,000 Gallons

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 400

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 102-102 and 400-400
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 102-102
Emission Unit Description: Coal Stacker
Raw Material/Fuel: Coal
Rated Capacity: 750 ton/hr

Emission Unit vented through this Emission Point: 400-400
Emission Unit Description: Coal Pile Storage
Raw Material/Fuel: Coal
Rated Capacity: 3 Acres

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust

No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2) "c"
LCO 10.13

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become

effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 401

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 401-401
Emissions Control Equipment ID Number:
Emissions Control Equipment Description: Surfactant Based Dust Suppression
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 401-401
Emission Unit Description: Coal Unloading
Raw Material/Fuel: Coal
Rated Capacity: 600 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCO 10.7
567 IAC 23.1 (2) "v"
40 CFR 60.252 (c) Subpart Y

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567--IAC 23.3(2) "a"
LCO 10.9(1) and 10.9 (1) "a"

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS Requirements:
The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be

based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 402

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 402-402
Emissions Control Equipment ID Number: CE 100
Emissions Control Equipment Description: Baghouse and Surfactant based dust suppression
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 402-402
Emission Unit Description: Coal Crushing House
Raw Material/Fuel: Coal
Rated Capacity: 750 tons/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: LCO 10.7
567 IAC 23.1(2) "v"
40 CFR 60.252 (c) Subpart Y

Pollutant: Particulate Matter
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567--IAC 23.3(2) "a"
LCO 10.9(1) and 10.9 (1) "a"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS Requirements:

The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control

equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 403

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 403-403
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 403-403
Emission Unit Description: Coal Load Out
Raw Material/Fuel: Coal
Rated Capacity: 600 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust
No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2) "c"
LCO 10.13

Pollutant: Opacity
Emission Limit: 20%
Authority for Requirement: 567 IAC 23.1.(2) "v"
40 CFR 60.252 (c) Subpart Y

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NSPS Requirements:

The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2) "v"
LCO 10.9.2 (22)
40 CFR 60 Subpart Y

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 500

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 500
Emissions Control Equipment ID Number:
Emissions Control Equipment Description: Low NOx Burner with Steam Injection
Continuous Emissions Monitors ID Numbers: ME 500

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 500
Emission Unit Description: Boiler #5 with low NOx burners and steam injection
Raw Material/Fuel: Natural Gas
Rated Capacity: 278 MMBtu/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Total Particulate (TSP)
Emission Limits: 2.78 lb/hr, 5.0 tons/year, 0.01 lb/MMBtu
Authority for Requirement: PSD permit 97-A-999
40 CFR 60, Subpart Db

Pollutant: PM_{10}
Emission Limits: 2.78 lb/hr, 5.0 tons/year, 0.01 lb/MMBtu
Authority for Requirement: PSD permit 97-A-999

Pollutant: Opacity
Emission Limits: 20 %
Authority for Requirement: PSD permit 97-A-999
LCO 10.7

Pollutant: Sulfur Dioxide (SO_2)
Emission Limits: 0.17 lb/hr, 0.3 tons/year, 0.0006 lb/MMBtu
Authority for Requirement: PSD permit 97-A-999

Pollutant: Nitrogen Oxides (NOx)
Emission Limits: 27.8 lb/hr, 50 tons/year, 0.1 lb/MMBtu
Authority for Requirement: PSD permit 97-A-999

Pollutant: Carbon Monoxide (CO)
Emission Limits: 9.73 lb/hr, 17.5 tons/year, 0.035 lb/MMBtu
Authority for Requirement: PSD permit 97-A-999

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits:

A. This boiler may be fired by natural gas only.
B. The amount of natural gas fired in this boiler may not exceed 1000 x 10^6 ft^3 per rolling 12 month period.

Authority for Requirement: PSD permit 97-A-999

Operating Condition Monitoring:

All records, as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits.

Records shall be kept on-site for at least five (5) years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner and shall indicate the following:

A. The amount of natural gas fired in this boiler, in cubic feet. Calculate and record daily amounts and monthly and rolling 12 month totals.
B. The design heat input capacity of this boiler.
C. The NOx emissions as recorded by the CEM as required in 40 CFR 60.48b(b).
D. Recordkeeping requirements of 40 CFR 60.49b(g) which include: calendar date, average hourly NOx emission rate, 30-Day average NOx emission rate, days NOx emission rate exceed limit, record of missing data and explanation, documentation of reasons for excluding data, indication of when concentration exceeded span value, description of monitoring system, results of drift tests and quality assurance assessments

Authority for Requirement: PSD permit 97-A-999

NSPS Requirements:

The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in the applicable standard. 40 CFR 60.11 (c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be

based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1 (2)
LCO 10.9.2 (1)
40 CFR 60 Subpart Db.

Additional Limits Due to Ambient Air Assessment
This emission point shall conform to the conditions listed below.

Stack Height (feet): 106.5 above the ground level
Stack Diameter (inches): 78
Stack Exhaust Flow Rate (acfm): 79640
Stack Temperature (^{o}F): 470
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: PSD permit 97-A-999

Compliance Plan
The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

The owner shall verify compliance with the emission limitations contained in the Emission Limits within sixty (60) days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

The tests shall be conducted with the equipment operating in a manner representative of full rated capacity. Failure to test at this maximum may be cause to limit the source to operating at the level at which the compliance tests were conducted.

The following shall apply to all compliance tests:

A. Each test to be conducted shall be approved by the DNR.

B. Unless otherwise specified by the DNR, each test shall consist of three (3) separate runs. The duration shall be established by the DNR at the pretest meeting. The arithmetic mean of the three acceptable test runs shall apply for compliance, unless otherwise approved by the DNR.

Authority for Requirement: PSD permit 97-A-999

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Stack Testing:

Pollutant: Opacity
1st Stack Test to be Completed by (date) – 12/01/99
Test Method - Method 9, 40 CFR 60
Authority for Requirement: 567 IAC 22.108(3)
PSD permit 97-A-999

Continuous Emissions Monitoring:

Pollutant - Nitrogen Oxides (NO_x)
Operational Specifications - 40 CFR Part 60
Initial System Calibration/Quality Assurance -10/30/96
Ongoing System Calibration/Quality Assurance - 40 CFR Part 60
Reporting & Record keeping - 40 CFR Part 60
Authority for Requirement: PSD permit 97-A-999
40 CFR 60.48b

The owner of this equipment or his authorized agent shall provide written notice to the Director and the Linn County local program office, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director and the Linn County local program office in the form of a comprehensive report within 30 days of the completion of the testing. 567 IAC 25.1(7) and LCO 10.17(2)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ **No** ☐

Relevant requirements of O & M plan for this equipment: NOx

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at

least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 501

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 501-501
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 501-501
Emission Unit Description: Ecostone Production
Raw Material/Fuel: Flyash
Rated Capacity: 60 ton/hr

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust

No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2) "c"
LCO 10.13

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ **No** ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: 504

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent through this EP): 331-447
Emissions Control Equipment ID Number:
Emissions Control Equipment Description:
Continuous Emissions Monitors ID Numbers:

Applicable Requirements

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 331-447
Emission Unit Description: Landfill Gas Safety Valve
Raw Material/Fuel: Landfill Gases
Rated Capacity: 30 hectares

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Not Applicable

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed below.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*

2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*

3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*

4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*

5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*

2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, four or more copies of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance

certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
    a. Form 1.0 "Facility Identification";
    b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
    c. Form 5.0 "Title V annual emissions summary/fee"; and
    d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
    a. Form 1.0 "Facility Identification";
    b. Form 5.0 "Title V annual emissions summary/fee";
    c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
    a. The date, place and time of sampling or measurements
    b. The date the analyses were performed.
    c. The company or entity that performed the analyses.
    d. The analytical techniques or methods used.
    e. The results of such analyses; and
    f. The operating conditions as existing at the time of sampling or measurement.
    g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
    a. Comply with all terms and conditions of this permit specific to each alternative scenario.
    b. Maintain a log at the permitted facility of the scenario under which it is operating.
    c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;

b. Compliance test methods specified in 567 Chapter 25; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the

emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and expected duration of the excess emission.

iv. The cause of the excess emission.

v. The steps being taken to remedy the excess emission.

vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and duration of the excess emission.

iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.

vi. The steps that were taken to limit the excess emission.

vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable

increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The facility at the time was being properly operated;

c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and

d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.

b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);

c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);

d. The changes are not subject to any requirement under Title IV of the Act.

e. The changes comply with all applicable requirements.

f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification,

including the following, which must be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,

ii. The date on which the change will occur,

iii. Any change in emission as a result of that change,

iv. The pollutants emitted subject to the emissions trade

v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.

vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and

vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

5. Aggregate Insignificant Emissions. The permittee shall not construct, establish or operate any new insignificant activities or modify any existing insignificant activities in such a way that the emissions from these activities no longer meet the criteria of aggregate insignificant emissions. If the aggregate insignificant emissions are expected to be exceeded, the permittee shall submit the appropriate permit modification and receive approval prior to making any change. *567 IAC 22.103(2)*

6. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that is required to do any of the following:

i. Correct typographical errors

ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;

iii. Require more frequent monitoring or reporting by the permittee; or

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility,

coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Permit Modification.

a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:

i. Do not violate any applicable requirements

ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.

iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification.

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.

ii. The permittee's suggested draft permit

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or

as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113* The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.105(1)"a"(4)*

G19. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)*

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. *567 IAC 23.1(3)"a", and 567 IAC 23.2*

G21. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 <u>except</u> 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.

d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives

approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;

b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;

c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G25. Permit Shield

Compliance with the conditions of this permit shall be deemed compliance with the applicable requirements included in this permit as of the date of permit issuance.

This permit shield shall not alter or affect the following:

1. The provisions of section 303 of the Act (emergency orders), including the authority of the administrator under that section;
2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
4. The ability of the department or the administrator to obtain information from the facility pursuant to section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. *567 IAC 26.1(1)*

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits
EPA Region 7
Air Permits and Compliance Branch
901 N. 5th Street
Kansas City, KS 66101
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1
909 West Main – Suite 4
Manchester, IA 52057
(563) 927-2640

Field Office 2
P.O. Box 1443
2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3
1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4
1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5
401 SW 7th Street, Suite I
Des Moines, IA 50309
(515) 725-0268

Field Office 6
1004 W. Madison
Washington, IA 52353
(319) 653-2135

Polk County Public Health Dept.
Air Quality Division

Linn County Public Health Dept.
Air Quality Division

5885 NE 14th St.
Des Moines, IA 50313
(515) 286-3351

501 13th St., NW
Cedar Rapids, IA 52405
(319) 892-6000